

Symposia

Symposium 1 (Room A) 9:00-11:30, November 27, (Sun.)

S1. Molecular mechanisms leashing pathogen sensors

Chairpersons: Kensuke Miyake (The University of Tokyo)
Mitsutoshi Yoneyama (Chiba University)

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| S1-1 | 9:00 – 9:20 | Ryutaro Fukui (The University of Tokyo)
Unc93 homolog B1 restricts lethal homeostatic inflammation by controlling TLR7 and TLR9 responses |
| S1-2 | 9:20 – 9:50 | Greg Barton (University of California, Berkeley)
Self/non-self discrimination by Toll-like receptors |
| S1-3 | 9:50 – 10:20 | Jon Kagan (Children's Hospital Boston/Harvard Medical School)
Cell biological aspects of innate immunity |
| S1-4 | 10:20 – 10:45 | Taro Kawai (Osaka University)
Dissection of signaling pathways through innate receptors that sense foreign nucleic acids |
| S1-5 | 10:45 – 11:10 | Mitsutoshi Yoneyama (Chiba University)
Viral non-self RNA is detected by RIG-I-like receptors in cytoplasmic granules |
| S1-6 | 11:10 – 11:30 | Hiroyuki Oshiumi (Hokkaido University)
Regulation of the host viral RNA sensor RIG-I by the ubiquitin ligase riplet |

Symposium 2 (Room B) 9:00-11:30, November 27, (Sun.)

S2. B cell activation and memory

Chairpersons: Takeshi Tokuhisa (Chiba University)
Ji-Yang Wang (RIKEN)

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| S2-1 | 9:00 – 9:25 | Ji-Yang Wang (RIKEN)
The Fc receptor for IgM (FcμR) positively regulates B cell survival and activation |
| S2-2 | 9:25 – 9:45 | Elissa Deenick (Garvan Institute of Medical Research)
Understanding the signalling pathways that control B cell differentiation and protective humoral immunity |
| S2-3 | 9:45 – 10:05 | Justin J. Taylor (University of Minnesota)
Tracking the differentiation of polyclonal memory B cells |
| S2-4 | 10:05 – 10:30 | Yoshimasa Takahashi (NIID)
Protective memory B cell responses to influenza virus infection |
| S2-5 | 10:30 – 10:55 | Tomohiro Kurosaki (Osaka University)
Contribution of transcription factors to rapid responsiveness of IgG type memory B cells |
| S2-6 | 10:55 – 11:20 | David Tarlinton (Walter and Eliza Hall Institute)
Signaling survival in plasma cells |
| S2-7 (LBT) | 11:20 – 11:30 | Chigusa Nakahashi-Oda (University of Tsukuba)
An immunoreceptor adapter protein, DAP12, suppresses adaptive immune responses mediated by B lymphocytes |

Symposium 3 (Room C) 9:00-11:30, November 27, (Sun.)

S3. Effector T cells

Chairpersons: Akihiko Yoshimura (Keio University)
Akemi Sakamoto (Chiba University)

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| S3-1 | 9:00 – 9:20 | Akemi Sakamoto (Chiba University)
A role of Bcl6 in effector T cell differentiation |
| S3-2 | 9:20 – 9:45 | Yuka Kanno (NIH)
Landscape of histone epigenetic modification and roles of transcription factors in T helper specification |
| S3-3 | 9:45 – 10:05 | Rimpei Morita (Keio University)
Human blood CXCR5+ CD4+ T cells are counterparts of T follicular cells |
| S3-4 | 10:05 – 10:35 | Foo Liew (University of Glasgow)
Nitric oxide regulates T cell response |
| S3-5 | 10:35 – 11:00 | Keiji Hirota (MRC National Institute for Medical Research)
Plasticity of interleukin 17-producing T cells in inflammatory responses |
| S3-6 (LBT) | 11:00 – 11:15 | Takashi Tanaka (RIKEN)
PDLIM2 negatively regulates the development of TH17 cells and granulomatous inflammation by degradation of STAT3 |
| S3-7 (LBT) | 11:15 – 11:30 | Yoshiko Iwai (Tokyo Medical and Dental University)
BATF promotes effector CD8 T cell differentiation by regulating epigenetic remodeling and energy metabolism through Sirt1 expression |

Symposium 4 (Room D) 9:00-11:30, November 27, (Sun.)

S4. Chronic inflammation

Chairpersons: Masayuki Miyasaka (Osaka University)
Masaaki Murakami (Osaka University)

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| | 9:00 – 9:05 | Masayuki Miyasaka (Osaka University)
Introduction |
| S4-1 | 9:05 – 9:30 | Masaaki Murakami (JST-CREST and Osaka University)
The IL-6 amplifier activation, a key player of inflammation, in human diseases and disorders |
| S4-2 | 9:30 – 9:55 | Victor J. Thannickal (University of Alabama at Birmingham)
Fibrosis: Connections to innate immunity? |
| S4-3 | 9:55 – 10:20 | Kouji Matsushima (The University of Tokyo)
Delayed and aberrant immune reconstitution due to destruction of hematological and immunological niches in the acute and chronic phases of GVHD |
| S4-4 | Cancelled | Deborah C. Rubin (Washington University School of Medicine)
Myofibroblast regulation of inflammation-induced colon carcinogenesis |
| S4-5 | 10:20 – 10:45 | Shuh Narumiya (Kyoto University)
Prostaglandins in chronic inflammation |
| S4-6 | 10:45 – 11:10 | Thomas A. Wynn (National Institute of Allergy and Infectious Diseases)
Innate and adaptive mechanisms of chronic inflammation and fibrosis |
| S4-7 (LBT) | 11:10 – 11:30 | Yoichi Maekawa (University of Tokushima)
A mutation in the immunoproteasome subunit <i>PSMB8</i> causes autoinflammation and lipodystrophy in humans |

Symposium 5 (Room A) 8:30-11:00, November 28, (Mon.)

S5. Imaging of immune responses

Chairpersons: Takashi Saito (RIKEN)
Masaru Ishii (Osaka University)

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| S5-1 | 8:30 – 8:55 | Tadashi Yokosuka (RIKEN)
The PD-1 microclusters: negative costimulatory signalosomes directly targeting TCR downstream |
| S5-2 | 8:55 – 9:20 | Morgan Huse (Memorial Sloan-Kettering Cancer Center)
Lymphocyte activation and protein kinase C |
| S5-3 | 9:20 – 9:45 | Daniel Billadeau (Mayo Clinic)
Regulation of T cell activation by WASP family members |
| S5-4 | 9:45 – 10:10 | Takaharu Okada (RIKEN)
Imaging of lymphocyte dynamics during the germinal center formation |
| S5-5 | 10:10 – 10:35 | Philippe Bousso (Institut Pasteur)
Visualizing T cell sensing of TCR-pMHC affinity in vivo |
| S5-6 | 10:35 – 11:00 | Masaru Ishii (Osaka University)
Imaging of bone-resorbing osteoclast function regulated by interactions with immune cells in situ |

Symposium 6 (Room B) 8:30-11:00, November 28, (Mon.)

S6. Lymphocyte development

Chairpersons: Ichiro Taniuchi (RIKEN)
Takeshi Nitta (National Center for Global Health and Medicine)

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| S6-1 | 8:30 – 9:00 | Meinrad Busslinger (Research Institute of Molecular Pathology)
Elucidating the role of Pax5 in B cell development at the genome-wide level |
| S6-2 | 9:00 – 9:25 | Takeshi Nitta (National Center for Global Health and Medicine)
Lympho-epithelial complexes in the thymic cortex |
| S6-3 | 9:25 – 9:55 | Alfred Singer (National Cancer Institute, NIH)
Basis for CD8 lineage choice in the thymus |
| S6-4 | 9:55 – 10:20 | Hiroshi Kawamoto (RIKEN)
Molecular mechanisms for production and maintenance of the T cell lineage |
| S6-5 | 10:20 – 10:50 | Hilde Cheroutre (La Jolla Institute for Allergy & Immunology)
Activation-induced silencing of Thpok defines a new type of CD4 effector T lymphocytes. |

Symposium 7 (Room C) 8:30-11:00, November 28, (Mon.)

S7. Immune regulatory cells

Chairpersons: Shimon Sakaguchi (Osaka University)
Masato Tanaka (RIKEN)

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| S7-1 | 8:30 – 8:57 | Masaki Terabe (National Cancer Institute, NIH)
Immunoregulatory roles of NKT cells in cancer |
| S7-2 | 8:57 – 9:24 | Dmitry Gabrilovich (H. Lee Moffitt Cancer Center and Research Institute and University of South Florida)
Tumor-infiltrating myeloid cells induce tumor cell resistance to cytotoxic T cells |
| S7-3 | 9:24 – 9:51 | Masato Tanaka (Tokyo University of Pharmacy and Life Sciences and RIKEN)
The role of CD169 macrophages in anti-tumor immunity |
| S7-4 | 9:51 – 10:18 | Kiyoshi Takeda (Osaka University)
Intestinal CX3CR1 ^{high} CD11b ⁺ CD11c ⁺ myeloid cells suppress T cell-dependent colitis |
| S7-5 | 10:18 – 10:45 | Naganari Ohkura (Osaka University)
Epigenetic code for the development of regulatory T cells |

Symposium 8 (Room D) 8:30-11:00, November 28, (Mon.)

S8. Modulation of immune responses to human cancer

Chairpersons: Yutaka Kawakami (Keio University)
Shinichiro Motohashi (Chiba University)

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| | 8:30 – 8:35 | Yutaka Kawakami (Keio University)
Introduction |
| S8-1 | 8:35 – 9:05 | Thomas F. Gajewski (University of Chicago)
Identifying and overcoming immune barriers at the level of the tumor microenvironment |
| S8-2 | 9:05 – 9:25 | Tomonori Yaguchi (Keio University)
Novel mouse models for analysis of <i>in vivo</i> interaction of immune system and human cancer |
| S8-3 | 9:25 – 9:55 | Laurence Zitvogel (INSERM U1015)
Should cell death be immunogenic for cancer therapy? |
| S8-4 | 9:55 – 10:25 | Cassian Yee (Fred Hutchinson Cancer Research Center)
T cell therapy of cancer: State of the art |
| S8-5 | 10:25 – 10:45 | Shinichiro Motohashi (Chiba University)
Immunotherapy using iNKT cells |

Symposium 9 (Room A) 9:00-11:30, November 29, (Tue.)

S9. T cell memory

Chairpersons: Toshinori Nakayama (Chiba University)
Shiki Takamura (Kinki University)

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| S9-1 | 9:00 – 9:25 | Shiki Takamura (Kinki University)
Mechanisms regulating the continual recruitment of memory CD8 ⁺ T cells to the lung airways |
| S9-2 | 9:25 – 9:50 | John E. Wherry (University of Pennsylvania)
Regulating memory T cell differentiation and function during chronic viral infection |
| S9-3 | 9:50 – 10:15 | Federica Sallusto (Institute for Research in Biomedicine)
CD4 ⁺ T lymphocytes: Specificity, function, and trafficking |
| S9-4 | 10:15 – 10:40 | Yusuke Endo (Chiba University)
Eomesodermin controls IL-5 production in memory Th2 cells through the inhibition of GATA3 activity |
| S9-5 | 10:40 – 11:05 | Naoto Ishii (Tohoku University)
OX40 contributes to the generation and maintenance of memory CD4 ⁺ T cells |
| S9-6 | 11:05 – 11:30 | Shane Crotty (La Jolla Institute for Allergy and Immunology)
Differentiation and function of follicular helper CD4 T cells |

Symposium 10 (Room B) 9:00-11:30, November 29, (Tue.)

S10. Allergy

Chairpersons: Hiroshi Nakajima (Chiba University)
Yoshitaka Okamoto (Chiba University)

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| S10-1 | 9:00 – 9:35 | David Artis (University of Pennsylvania)
Regulation of innate and adaptive immunity at barrier surfaces |
| S10-2 | 9:35 – 10:00 | Atsuhito Nakao (University of Yamanashi)
The circadian clock gene <i>Period2</i> regulates a daily rhythm in cutaneous anaphylactic reaction. |
| S10-3 | 10:00 – 10:25 | Susumu Nakae (The University of Tokyo)
Role of IL-33 in allergy |
| S10-4 | 10:25 – 10:50 | Satoko Tahara-Hanaoka (University of Tsukuba)
An immunoglobulin-like receptor, Allergin-1, inhibits immunoglobulin E-mediated immediate hypersensitivity reactions |
| S10-5 | 10:50 – 11:15 | Kenji Kabashima (Kyoto University)
Role of mast cell in the cutaneous immunity |
| S10-6 (LBT) | 11:15 – 11:30 | Kazuya Masuda (Osaka University)
Aryl hydrocarbon receptor suppresses LPS-induced IL-6 production through inhibition of histamine production in macrophages |

Symposium 11 (Room C) 9:00-11:30, November 29, (Tue.)

S11. Autoimmunity and its regulation

Chairpersons: Kazuhiko Yamamoto (The University of Tokyo)
Takayuki Sumida (University of Tsukuba)

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| S11-1 | 9:00 – 9:30 | Takatoshi Chinen (Memorial Sloan-Kettering Cancer Center)
Effect of commensal microbiota on pro- and anti-inflammatory T cell responses |
| S11-2 | 9:30 – 10:00 | Shohei Hori (RIKEN)
Analysis of IPEX mutations reveals a critical role of the KLRG1 ⁺ subset of Treg cells in the regulation of autoimmunity |
| S11-3 | 10:00 – 10:30 | Jane H. Buckner (Benaroya Research Institute at Virginia Mason)
Common mechanisms of failed regulation in autoimmunity |
| S11-4 | 10:30 – 11:00 | Harvey Cantor (Dana-Farber Cancer Institute)
Control of autoimmunity by CD8 ⁺ regulatory T cells |
| S11-5 | 11:00 – 11:30 | Keishi Fujio (The University of Tokyo)
CD4 ⁺ CD25 ⁺ LAG3 ⁺ regulatory T cells and autoimmune disease |

Symposium 12 (Room D) 9:00-11:30, November 29, (Tue.)

S12. Mucosal immunity

Chairpersons: Hiroshi Ohno (RIKEN)
Kenya Honda (The University of Tokyo)

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| S12-1 | 9:00 – 9:25 | Shinji Fukuda (RIKEN)
Acetate-producing bifidobacteria equipped with 'probiotic transporters' protects the host against enteropathogenic infection |
| S12-2 | 9:25 – 09:50 | Kenya Honda (The University of Tokyo)
Microbiotal influence on T cell subset development |
| S12-3 | 9:50 – 10:20 | Ivaylo Ivanov (Columbia University Medical Center)
Immunomodulatory functions of segmented filamentous bacteria |
| S12-4 | 10:20 – 10:45 | Reiko Shinkura (Nagahama Institute of Bioscience and Technology)
The critical role of somatic hypermutation in gut immune responses |
| S12-5 | 10:45 – 11:15 | Siegfried Hapfelmeier (University of Berne)
Studying bacterial-induced immunity in germ-free animals |